



MEETING THE PROJECT MANAGEMENT CHALLENGE

2004

Biography

Dr. Michael F. Lembeck

**Director of the Requirements Division
for the Office of Exploration Systems at NASA Headquarters**

Michael F. Lembeck (B.S. '80, M.S. '81, Ph.D., '91 UIUC) is the Director of the Requirements Division for the Office of Exploration Systems at NASA Headquarters. Prior to joining NASA, Dr. Lembeck was the Vice President for Remote Sensing Programs at Orbital Sciences Corporation. Responsible for the remote sensing business area, Dr. Lembeck oversaw the design, development, and production of two state-of-the-art spacecraft, OrbView-3 and OrbView-4/Warfighter-1, their cameras, and the complementary ground segment.

Dr. Lembeck was also the Chief Engineer for a primary free-flying space shuttle payload, Wakeshield Facility-3, at Houston's Space Industries, Inc., where he also served as the Manager of Engineering. Dr. Lembeck designed, coded, and integrated the first fuzzy logic application to fly in space aboard almost every space shuttle flight since STS-49 inside a refrigerator/incubator module used for protein crystal growth studies. Prior to completing his Ph.D. in the application of neural networks for space control problems, he worked at TRW in the Systems Effectiveness Section and at the Jet Propulsion Lab in the Attitude Control Integration and Test Group, both in southern California.

Dr. Lembeck served as a member of the NASA-Sponsored Space Shuttle Competitive Sourcing Task Force, providing competitive sourcing options for the space shuttle program to the NASA Administrator. Named by the National Space Society's Ad Astra magazine as one of 1994's top 25 "Rising Stars in Space," Dr. Lembeck was also named by the University of Illinois Aerospace Engineering Department as the 1995 Outstanding Recent Alumnus. He is currently Vice President of the Department's Alumni Advisory Board and resides in Fairfax, VA.



NASA Project Management Conference